- a) culturing cells coupled to a capture moiety under conditions wherein a product is secreted, wherein said product secreted by said cells is specifically bound to said capture moiety, thereby producing cells labeled with said product, wherein said product is labeled with a label moiety; and
  - b) separating said cells labeled with said product.
- 116. (New) The method of claim 114 wherein said capture moiety is coupled to said cells through an anchoring moiety.
- 117. (New) The method of claim 115 wherein said capture moiety is coupled to said cells through an anchoring moiety.
- 118. (New) The method of claim 114 wherein said cells remain viable during said method.
- 119. (New) The method of claim 114 wherein the label moiety is an antibody specific for the product.
  - 120. (New) The method of claim 114 wherein the label moiety is fluorochromated.
  - 121. (New) The method of claim 114 wherein the label moiety is magnetizable.
- 122. (New) The method of claim 121 wherein the label moiety comprises colloidal magnetic particles with a typical diameter of about 5 to 200 nm.
- 123. (New) The method of claim 114 wherein the capture moiety is an antibody or an antigen-binding fragment thereof.
- 124. (New) The method of claim 123 wherein the antibody or antigen binding fragment thereof is bispecific.

- 125. (New) The method of claim 116 wherein the anchoring moiety is a lipid anchor.
- 126. (New) The method of claim 116 wherein the anchoring moiety is an antibody, or an antigen-binding fragment thereof.
- 127. (New) The method of claim 114 wherein said capture moiety is coupled to said cells through direct chemical coupling of the capture moiety to components on the cell surface, optionally through a linking moiety.
- 128. (New) The method of claim 124 wherein the bispecific antibody specifically binds to the cell.
- 129. (New) The method of claim 114 wherein said product includes cytokines, antibodies, hormones, enzymes or proteins.
  - 130. (New) The method of claim 129 wherein said product is a cytokine.
  - 131. (New) The method of claim 129 wherein said product is an antibody.
- 132. (New) The method of claim 130 wherein said cytokine includes IFNγ, IL1, IL2, IL4, IL10, IL12, TGFβ, TNF, GMCSF, or SCF.
  - 133. (New) The method of claim 132 wherein said cytokine is IFNy.
  - 134. (New) The method of claim 132 wherein said cytokine is IL2.
  - 135. (New) The method of claim 132 wherein said cytokine is IL4.
  - 136. (New) The method of claim 132 wherein said cytokine is IL10.
  - 137. (New) The method of claim 132 wherein said cytokine is IL12.

- 138. (New) The method of claim 132 wherein said cytokine is TNF.
- 139. (New) The method of claim 127 wherein said linking moiety includes branched polymers.
- 140. (New) The method of claim 139 wherein said branched polymers includes modified dextran molecules, polyethylene glycol, polypropylene glycol, polyvinyl alcohol or polyvinylpyrrolidone.
- 141. (New) The method of claim 114 wherein said cell comprises a cell surface marker.
- 142. (New) The method of claim 141 wherein said cell surface marker includes CD3, CD4, CD8, CD19, CD20, CD14, CD16, CD15, CD45, class I MHC and Class II MHC molecules, CD34, CD38, CD33, CD56 T cell receptor, Fc receptor, β2 microglobulin or immunoglobulin.
  - 143. (New) The method of claim 141 wherein said surface marker is CD45.
- 144. (New) The method of claim 141 wherein said cell surface marker comprises a cell adhesion molecule.
- 145. (New) The method of claim 114 wherein said cell has been genetically modified by the introduction of nucleic acid that encodes said protein.
- 146. (New) The method of claim 115 wherein said cell has been genetically modified by the introduction of nucleic acid that encodes said protein.
  - 147. (New) A composition comprising cells separated by the method of claim 114.

- 148. (New) A composition comprising cells separated by the method of claim 115.
- 149. (New) A composition comprising cells separated based on a product secreted by the cells, wherein said cells are coupled to a capture moiety and said product secreted by said cells is specifically bound to said capture moiety and wherein said product is labeled with a label moiety.
  - 150. (New) A kit for the detection of cells that secrete a product, comprising:
    - a) at least one of an anchoring moiety and a capture moiety;
    - b) a label for detecting Laptured product; and
    - c) instructions for use of the reagents, all packaged in appropriate containers.
  - 151. (New) The kit of claim 150 further comprising medium for cell incubation.
  - 152. (New) The kit of claim 150 wherein said capture moiety is a bispecific antibody.
  - 153. (New) The kit of claim 152 wherein said bispecific antibody is specific for a cytokine.
    - 154. (New) The kit of claim 153 wherein said cytokine is IFNγ.
    - 155. (New) The kit of claim 153 wherein said cytokine is IL2.
    - 156. (New) The kit of claim 153 wherein said cytokine is IL4.
    - 157. (New) The kit of claim 153 wherein said cytokine is IL10.
    - 158. (New) The kit of claim 153 wherein said cytokine is IL12.
    - 159. (New) The kit of claim 153 wherein said cytokine is TNF.